

binocular telescope as that the housing is substantially coaxial with the line of sight of the telescope.

*Dub 83*  
33. (Once Amended) ~~The illumination assembly of Claims 21 or 22 wherein the aspheric lens has a diameter of less than 2 centimeters.~~

*Dub B4*  
35. (Once Amended) ~~The illumination assembly of Claims 21 or 22 wherein said lens include an aspheric face and an opposing guides plane face, the lens being mounted such that said aspheric face faces inwardly.~~

Please add the following new claims:

*Dub B5*  
54. (Added) An illumination assembly for dental and medical application comprising;  
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a. a lightweight, flexible light guide having an input end and an output end, the input end being adapted for connection to a remote illumination source;  
b. a small, lightweight housing having an input end having an interior surface that defines a light guide opening and an output end having an interior surface that defines an illumination opening, the output end of the light guide extending within the light guide opening and being aligned so that light therefrom illuminates the illumination opening;  
c. only a single lens mounted within the interior surface of the output end  
10 of the housing, thereby providing a light source of such weight and size that it may be

mounted to headgear so that an illumination beam therefrom substantially corresponds to the user's line of sight; and

d. means for attaching the housing to the headgear.

55. (Added) An illumination assembly for dental and medical applications comprising:

a. a lightweight, flexible fiberoptic bundle including several optical cables and having an input end and an out-put end, the input, end being adapted for connection to a remote illumination source;

b. a small, light weighthousing including an input end having an interior surface that defines a light guide opening and an output end having an interior surface that defines an illumination opening, the output end of the fiberoptic bundle extending within the light guide opening and being aligned so that light therefrom illuminates the illumination opening,

c. only a single lens mounted within the interior surface of the out-put end of the housing, thereby providing a light source of such weight and size that it may be mounted to headgear so that an illumination beam therefrom substantially corresponds to the user's line of sight; and

15 d. ~~means for attaching the housing to the headgear.~~